

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-12 (Canceled).

13. (Currently Amended) A process for enzymatic extraction[[,]] of an insulin or an analog thereof comprising:

~~providing a polymeric support comprising one or more enzymes bonded thereto, wherein the polymeric support material has no pores;~~

~~extracting insulins or their analogs from corresponding precursors; and obtaining biomolecules~~

preparing a preproinsulin solution;

adding to said solution a non-porous polymeric support having one or more enzymes bonded thereto wherein said enzymes cause a reaction in which an insulin or an analog thereof are cleaved from the preproinsulin solution; and

recovering said insulin or its analog from the solution.

14-15. (Canceled)

16. (Previously presented) The process as claimed in claim 13, wherein said enzyme is bonded covalently to the support material with the aid of oxirane groups.

17. (Previously presented) The process as claimed in claim 13, wherein said enzyme is trypsin.

18. (Previously presented) The process as claimed in claim 13, wherein said enzyme immobilized on the support has an activity of .05 to .5 U/ml.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

19. (Previously presented) The process as claimed in 17, wherein said enzyme has activity of 0.05 to 0.5 U/ml.

20. (Previously presented) The process as claimed in claim 13, wherein the pH of the reaction is 6 to about 10.

21. (Previously presented) The process as claimed in claim 20, wherein the pH is in the range of about 7 to about 9.

22. (Previously presented) The process as in claim 13, wherein said enzyme polymeric support material is a copolymer of the monomers methacryamide and N,N'-bis(methacrylamide).

23. (Previously presented) The process as in claim 22, wherein said polymeric support material has oxirane group-containing monomers.

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Washington, DC 20005
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